

Title (en)

CROSS LINEAR TYPE SOLAR HEAT COLLECTING APPARATUS

Title (de)

KREUZLINEARE SONNENWÄRME-AUFFANGVORRICHTUNG

Title (fr)

APPAREIL DE COLLECTE DE CHALEUR SOLAIRE DU TYPE LINÉAIRE CROISÉ

Publication

EP 2622283 B1 20171101 (EN)

Application

EP 11828454 A 20110929

Priority

- JP 2010223719 A 20101001
- JP 2011005504 W 20110929

Abstract (en)

[origin: WO2012042888A1] It is to heighten the heat collecting efficiency of a linear type solar heat collecting apparatus. A plurality of reflection lines and one reception line are included. The reflection lines are arranged in parallel substantially in the south-north direction on earth. Each reflection line L1, L2,... has a heliostat 1. The heliostat 1 is composed of a plurality of mirror segments disposed in series on each reflection line L1, L2,... The reception line C extends in the east-west direction perpendicular to the reflection lines L1, L2,..., and is disposed at a predetermined position above the reflection lines L1, L2,... The reception line C has a single receiver. The mirror segments disposed on each reflection line L1, L2,... radiate reflected light of sunlight that has impinged on the mirror surface toward the reception line C. The receiver 2 disposed on the reception line C collects the heat of the reflected light of sunlight radiated from the mirror segments disposed on each reflection line.

IPC 8 full level

F24J 2/52 (2006.01); **F24J 2/54** (2006.01); **F24S 10/70** (2018.01); **F24S 20/20** (2018.01); **F24S 20/30** (2018.01); **F24S 23/70** (2018.01); **F24S 23/77** (2018.01); **F24S 50/20** (2018.01); **G02B 5/08** (2006.01); **G02B 7/182** (2006.01); **G02B 19/00** (2006.01); **F24J 2/00** (2014.01); **F24J 2/04** (2006.01); **G02B 7/183** (2006.01)

CPC (source: EP US)

F24S 10/25 (2018.04 - EP US); **F24S 20/20** (2018.04 - EP US); **F24S 23/77** (2018.04 - EP US); **F24S 25/50** (2018.04 - EP US); **F24S 30/425** (2018.04 - EP US); **F24S 50/20** (2018.04 - EP US); **G02B 7/183** (2013.01 - EP US); **F24S 2020/16** (2018.04 - EP US); **F24S 2023/872** (2018.04 - EP US); **Y02E 10/40** (2013.01 - US); **Y02E 10/44** (2013.01 - EP); **Y02E 10/47** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012042888 A1 20120405; CN 103140723 A 20130605; CN 103140723 B 20160525; EP 2622283 A1 20130807; EP 2622283 A4 20150318; EP 2622283 B1 20171101; JP 2013539000 A 20131017; JP 5898674 B2 20160406; US 2013152916 A1 20130620; US 9182146 B2 20151110

DOCDB simple family (application)

JP 2011005504 W 20110929; CN 201180047049 A 20110929; EP 11828454 A 20110929; JP 2013507484 A 20110929; US 201113819117 A 20110929